

Appl. No. 09/465,676
Amdt. dated December 12, 2003
Reply to Office Action of September 16, 2003

AMENDMENTS TO THE CLAIMS

Claims 1-10 were amended and new claim 11 was presented in the Preliminary Amendment filed December 17, 1999.

Claims 1-11 are currently pending and new claims 12-15 are added by this response.

1. (previously presented) A method for transmitting data for a security device, in particular for access authorization systems and/or driving authorization systems of a motor vehicle comprising the steps of transmitting data over air from a transmitter unit to a receiver unit, wherein, after capacitive coupling of the transmitter unit and receiver unit, transmitting the data from transmitter to receiver using a signal which is generated by a capacitive alternating field.

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2. (previously presented) The method as claimed in claim 1, further comprising the steps wherein, after reception of the signal, a transmitter transmits an encoded information item to the receiver on a second wireless transmission link, which information item is compared with a predefined encoded information item in the receiver, and

when said items correspond, a drive signal for the security device is output.

3. (previously presented) The method as claimed in claim 2, wherein the second transmission link for the encoded information item is implemented by inductive coupling or radio coupling.

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4. (previously presented) A system for activating and/or deactivating a security device, in particular for access authorization systems and/or driving authorization systems of a motor vehicle, in which an encoded information item is transmitted over air between a portable transmitter and a receiver, the receiver comparing the received information item with a predefined encoded information item, and outputting a drive signal to the security device when said two information items correspond, wherein the receiver (2) has a capacitive transmitter unit (10, 11) which generates a start signal (16) by means of a capacitive alternating field and transmits it to the receiver unit (13) of the transmitter (1).

5. (previously presented) The system as claimed in claim 4, wherein the capacitive transmitter unit (10, 11) of the receiver (2) is composed of a first capacitor (10) which is operated with an alternating current generator (11), the transmitter (1) comprising, for the reception of the start signal

16), a second capacitor (13) which, in the case of capacitive coupling between the transmitter (1) and receiver (2), receives the signal generated by the transmitter unit (10, 11) of the receiver (2) and passes it on to an evaluation device (4) of the transmitter (1).

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6. (previously presented) The system as claimed in claim 4, wherein, after evaluation of the start signal (16), the evaluation device (4) generates an encoded information item (3) which is transmittable from a transmitter unit (5) of the transmitter (1) to a receiver unit (6) of the receiver (2) by means of inductive coupling or far-field coupling.

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7. (previously presented) The system as claimed in claim 4, wherein the encoded information item (3) is modulated onto a high-frequency carrier frequency which is generated by alternating current generator (11).

8. (previously presented) The system as claimed in claim 5, wherein the first capacitor (10) is formed between the outer shell (15) of an access device and an activation device (12) which is arranged on an outer shell of the access device.

9. (previously presented) The system as claimed in claim 5, wherein the first capacitor (10) is formed between bodywork of the vehicle and a control element which is arranged in the interior of the motor vehicle.



10. (previously presented) The system as claimed in claim 8, wherein, when the activation device (12) is touched by the user, the signal which is to be detected by the second capacitor (13) is amplified.

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11. (previously presented) The system as claimed in claim 9, wherein, when the control element is touched by the user, the signal which is to be detected by the second capacitor (13) is amplified.

12. (New) The method as recited in claim 2, further comprising the step of modulating the encoded information item onto a carrier frequency of substantially 400MHz.

13. (New) The method as recited in claim 2, wherein said step of outputting a drive signal further comprises the step of communicating with a central locking system of a motor vehicle in order to at least one of open and close a lock on a vehicle door.

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14. (New) The method as recited in claim 2, wherein said step of outputting a drive signal further comprises the step of communicating with an immobilizer of a motor vehicle in order to at least one of activate and deactivate a drive of a motor vehicle.

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15. (New) A method for transmitting data for a security device, in particular for access authorization systems and/or driving authorization systems of a motor vehicle comprising the steps of forming a capacitive coupling between a transmitter unit and a receiver unit, and transmitting the data from the transmitter to the receiver using a signal which is generated by a capacitive alternating field.